

Title (en)
RANDOM ACCESS METHOD AND APPARATUS

Title (de)
DIREKTZUGRIFFSVERFAHREN UND -VORRICHTUNG

Title (fr)
PROCÉDÉ ET APPAREIL D'ACCÈS ALÉATOIRE

Publication
EP 3955685 A4 20220601 (EN)

Application
EP 20799509 A 20200429

Priority
• CN 201910360371 A 20190430
• CN 2020087698 W 20200429

Abstract (en)
[origin: EP3955685A1] This application provides a random access method and apparatus. The method includes: sending, to a network device, a random access signal and first information used for contention resolution; monitoring a first response and a second response, where the first response is a response to the random access signal and includes an uplink grant, and the second response is a response to the first information used for contention resolution; and when detecting the first response, and detecting the second response before a time domain position of the uplink grant, determining that random access succeeds; or when detecting the first response, sending second information used for contention resolution by using the uplink grant, and when detecting the second response or a third response, determining that random access succeeds, where the third response is a response to the second information used for contention resolution. According to technical solutions provided in this application, a terminal device can select a proper random access type when balancing a delay and power consumption of the terminal device.

IPC 8 full level
H04W 74/08 (2009.01)

CPC (source: CN EP KR US)
H04W 24/08 (2013.01 - US); **H04W 72/23** (2023.01 - US); **H04W 74/004** (2013.01 - CN KR US); **H04W 74/006** (2013.01 - CN KR); **H04W 74/0833** (2013.01 - CN KR); **H04W 74/085** (2013.01 - US); **H04W 74/0858** (2013.01 - EP); **H04W 74/0866** (2013.01 - US)

Citation (search report)
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• [E] EP 3918866 A1 20211208 - QUALCOMM INC [US]
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• See also references of WO 2020221279A1

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
EP 3955685 A1 20220216; EP 3955685 A4 20220601; CN 111867126 A 20201030; CN 118158831 A 20240607; KR 20220004135 A 20220111; US 2022053558 A1 20220217; WO 2020221279 A1 20201105

DOCDB simple family (application)
EP 20799509 A 20200429; CN 201910360371 A 20190430; CN 2020087698 W 20200429; CN 202410142822 A 20190430; KR 20217038735 A 20200429; US 202117515045 A 20211029